

# Youping Deng

## List of Publications by Year in descending order

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124  
papers

6,814  
citations

94433

37  
h-index

69250

77  
g-index

130  
all docs

130  
docs citations

130  
times ranked

12196  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive assessment of RNA-seq accuracy, reproducibility and information content by the Sequencing Quality Control Consortium. <i>Nature Biotechnology</i> , 2014, 32, 903-914.	17.5	883
2	The MicroArray Quality Control (MAQC)-II study of common practices for the development and validation of microarray-based predictive models. <i>Nature Biotechnology</i> , 2010, 28, 827-838.	17.5	795
3	The concordance between RNA-seq and microarray data depends on chemical treatment and transcript abundance. <i>Nature Biotechnology</i> , 2014, 32, 926-932.	17.5	420
4	Comparison of RNA-seq and microarray-based models for clinical endpoint prediction. <i>Genome Biology</i> , 2015, 16, 133.	8.8	325
5	Risk Factors Associated With Clinical Outcomes in 323 Coronavirus Disease 2019 (COVID-19) Hospitalized Patients in Wuhan, China. <i>Clinical Infectious Diseases</i> , 2020, 71, 2089-2098.	5.8	309
6	A comparison of batch effect removal methods for enhancement of prediction performance using MAQC-II microarray gene expression data. <i>Pharmacogenomics Journal</i> , 2010, 10, 278-291.	2.0	249
7	Joint analysis of two microarray gene-expression data sets to select lung adenocarcinoma marker genes. <i>BMC Bioinformatics</i> , 2004, 5, 81.	2.6	228
8	A comparative study of different machine learning methods on microarray gene expression data. <i>BMC Genomics</i> , 2008, 9, S13.	2.8	199
9	Identification of Plasma Lipid Biomarkers for Prostate Cancer by Lipidomics and Bioinformatics. <i>PLoS ONE</i> , 2012, 7, e48889.	2.5	169
10	Hedgehog signaling induces osteosarcoma development through Yap1 and H19 overexpression. <i>Oncogene</i> , 2014, 33, 4857-4866.	5.9	136
11	Grb10, a Positive, Stimulatory Signaling Adapter in Platelet-Derived Growth Factor BB-, Insulin-Like Growth Factor I-, and Insulin-Mediated Mitogenesis. <i>Molecular and Cellular Biology</i> , 1999, 19, 6217-6228.	2.3	110
12	Recent advances in clustering methods for protein interaction networks. <i>BMC Genomics</i> , 2010, 11, S10.	2.8	104
13	FGKA. , 2004, , .		95
14	Plasma lipidomics profiling identified lipid biomarkers in distinguishing early-stage breast cancer from benign lesions. <i>Oncotarget</i> , 2016, 7, 36622-36631.	1.8	91
15	Computational identification of novel chitinase-like proteins in the <i>Drosophila melanogaster</i> genome. <i>Bioinformatics</i> , 2004, 20, 161-169.	4.1	90
16	Incremental genetic K-means algorithm and its application in gene expression data analysis. <i>BMC Bioinformatics</i> , 2004, 5, 172.	2.6	87
17	Epicardial adipose tissue has a unique transcriptome modified in severe coronary artery disease. <i>Obesity</i> , 2015, 23, 1267-1278.	3.0	86
18	Comparison of probabilistic Boolean network and dynamic Bayesian network approaches for inferring gene regulatory networks. <i>BMC Bioinformatics</i> , 2007, 8, S13.	2.6	78

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19	Arsenic trioxide induces apoptosis of HPV16 DNA-immortalized human cervical epithelial cells and selectively inhibits viral gene expression. , 1999, 82, 286-292.		77
20	Molecular Basis of Plant Gene Expression During Aphid Invasion: Wheat Pto- and Pti-Like Sequences Are Involved in Interactions Between Wheat and Russian Wheat Aphid (Homoptera: Aphididae). Journal of Economic Entomology, 2006, 99, 1430-1445.	1.8	77
21	Collagen type IV alpha 1 (COL4A1) and collagen type XIII alpha 1 (COL13A1) produced in cancer cells promote tumor budding at the invasion front in human urothelial carcinoma of the bladder. Oncotarget, 2017, 8, 36099-36114.	1.8	76
22	Identification and characterization of the novel Col10a1 regulatory mechanism during chondrocyte hypertrophic differentiation. Cell Death and Disease, 2014, 5, e1469-e1469.	6.3	75
23	Prevalent Polymorphism in Thyroid Hormone-Activating Enzyme Leaves a Genetic Fingerprint That Underlies Associated Clinical Syndromes. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 920-933.	3.6	75
24	Evaluation of Plasma miR-21 and miR-152 as Diagnostic Biomarkers for Common Types of Human Cancers. Journal of Cancer, 2016, 7, 490-499.	2.5	68
25	Four PSM/SH2-B Alternative Splice Variants and Their Differential Roles in Mitogenesis. Journal of Biological Chemistry, 2001, 276, 40940-40948.	3.4	64
26	Exploring the pathogenetic association between schizophrenia and type 2 diabetes mellitus diseases based on pathway analysis. BMC Medical Genomics, 2013, 6, S17.	1.5	63
27	The function of LncRNAs and their role in the prediction, diagnosis, and prognosis of lung cancer. Clinical and Translational Medicine, 2021, 11, e367.	4.0	61
28	Toxicogenomic Analysis Provides New Insights into Molecular Mechanisms of the Sublethal Toxicity of 2,4,6-Trinitrotoluene in Eisenia fetida. Environmental Science & Technology, 2007, 41, 8195-8202.	10.0	58
29	Growth Factor Receptor-binding Protein 10 (Grb10) as a Partner of Phosphatidylinositol 3-Kinase in Metabolic Insulin Action. Journal of Biological Chemistry, 2003, 278, 39311-39322.	3.4	53
30	Integrative microRNA and gene profiling data analysis reveals novel biomarkers and mechanisms for lung cancer. Oncotarget, 2016, 7, 8441-8454.	1.8	53
31	Cloning, analysis and functional annotation of expressed sequence tags from the Earthworm Eisenia fetida. BMC Bioinformatics, 2007, 8, S7.	2.6	52
32	Integrated lipidomics and transcriptomic analysis of peripheral blood reveals significantly enriched pathways in type 2 diabetes mellitus. BMC Medical Genomics, 2013, 6, S12.	1.5	51
33	COVID-19 drug practices risk antimicrobial resistance evolution. Lancet Microbe, The, 2021, 2, e135-e136.	7.3	47
34	Feature Selection and Classification of MAQC-II Breast Cancer and Multiple Myeloma Microarray Gene Expression Data. PLoS ONE, 2009, 4, e8250.	2.5	45
35	Identification of genes and pathways involved in kidney renal clear cell carcinoma. BMC Bioinformatics, 2014, 15, S2.	2.6	45
36	Plasma MicroRNA Pair Panels as Novel Biomarkers for Detection of Early Stage Breast Cancer. Frontiers in Physiology, 2018, 9, 1879.	2.8	44

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37	PSM, a mediator of PDGF-BB-, IGF-I-, and insulin-stimulated mitogenesis. <i>Oncogene</i> , 2000, 19, 39-50.	5.9	42
38	Transcriptomic analysis of RDX and TNT interactive sublethal effects in the earthworm <i>Eisenia fetida</i> . <i>BMC Genomics</i> , 2008, 9, S15.	2.8	42
39	SVM Classifier “ a comprehensive java interface for support vector machine classification of microarray data. <i>BMC Bioinformatics</i> , 2006, 7, S25.	2.6	40
40	RNA sequencing-based analysis of the laying hen uterus revealed the novel genes and biological pathways involved in the eggshell biomineralization. <i>Scientific Reports</i> , 2018, 8, 16853.	3.3	39
41	Global lipidomics identified plasma lipids as novel biomarkers for early detection of lung cancer. <i>Oncotarget</i> , 2017, 8, 107899-107906.	1.8	39
42	Increased AURKA promotes cell proliferation and predicts poor prognosis in bladder cancer. <i>BMC Systems Biology</i> , 2018, 12, 118.	3.0	38
43	PTHGRN: unraveling post-translational hierarchical gene regulatory networks using PPI, ChIP-seq and gene expression data. <i>Nucleic Acids Research</i> , 2014, 42, W130-W136.	14.5	34
44	Analysis of Common and Specific Mechanisms of Liver Function Affected by Nitrotoluene Compounds. <i>PLoS ONE</i> , 2011, 6, e14662.	2.5	33
45	Strategy for an Association Study of the Intestinal Microbiome and Brain Metabolome Across the Lifespan of Rats. <i>Analytical Chemistry</i> , 2018, 90, 2475-2483.	6.5	32
46	The landscape of bacterial presence in tumor and adjacent normal tissue across 9 major cancer types using TCGA exome sequencing. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 631-641.	4.1	32
47	Characterization and Early Detection of Balance Deficits in Fragile X Premutation Carriers With and Without Fragile X-Associated Tremor/Ataxia Syndrome (FXTAS). <i>Cerebellum</i> , 2015, 14, 650-662.	2.5	31
48	The Function and Mechanism of Lipid Molecules and Their Roles in The Diagnosis and Prognosis of Breast Cancer. <i>Molecules</i> , 2020, 25, 4864.	3.8	31
49	A seven-gene CpG-island methylation panel predicts breast cancer progression. <i>BMC Cancer</i> , 2015, 15, 417.	2.6	30
50	CMGRN: a web server for constructing multilevel gene regulatory networks using ChIP-seq and gene expression data. <i>Bioinformatics</i> , 2014, 30, 1190-1192.	4.1	29
51	Gene silencing of USP1 by lentivirus effectively inhibits proliferation and invasion of human osteosarcoma cells. <i>International Journal of Oncology</i> , 2016, 49, 2549-2557.	3.3	29
52	Effect of Celestrol on Growth Inhibition of Prostate Cancer Cells through the Regulation of hERG Channel <i>In Vitro</i> . <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	27
53	In vitro gene regulatory networks predict in vivo function of liver. <i>BMC Systems Biology</i> , 2010, 4, 153.	3.0	25
54	Selenoprotein K deficiency inhibits melanoma by reducing calcium flux required for tumor growth and metastasis. <i>Oncotarget</i> , 2018, 9, 13407-13422.	1.8	25

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55	State Space Model with hidden variables for reconstruction of gene regulatory networks. BMC Systems Biology, 2011, 5, S3.	3.0	24
56	Identification of biomarkers that distinguish chemical contaminants based on gene expression profiles. BMC Genomics, 2014, 15, 248.	2.8	24
57	Commonality and differences of methylation signatures in the plasma of patients with pancreatic cancer and colorectal cancer. International Journal of Cancer, 2014, 134, 2656-2662.	5.1	23
58	Association of six CpG-SNPs in the inflammation-related genes with coronary heart disease. Human Genomics, 2016, 10, 21.	2.9	22
59	The Evaluation of Serum Biomarkers for Non-small Cell Lung Cancer (NSCLC) Diagnosis. Frontiers in Physiology, 2018, 9, 1710.	2.8	22
60	Development of a miRNA-seq based prognostic signature in lung adenocarcinoma. BMC Cancer, 2019, 19, 34.	2.6	22
61	The clinical significance of snail protein expression in gastric cancer: a meta-analysis. Human Genomics, 2016, 10, 22.	2.9	20
62	The emerging role of microRNA-4487/6845-3p in Alzheimer's disease pathologies is induced by A $\beta$ 25-35 triggered in SH-SY5Y cell. BMC Systems Biology, 2018, 12, 119.	3.0	20
63	Plasma small ncRNA pair panels as novel biomarkers for early-stage lung adenocarcinoma screening. BMC Genomics, 2018, 19, 545.	2.8	20
64	Current trend and development in bioinformatics research. BMC Bioinformatics, 2020, 21, 538.	2.6	20
65	The SEQC2 epigenomics quality control (EpiQC) study. Genome Biology, 2021, 22, 332.	8.8	20
66	Mitogenic roles of Gab1 and Grb10 as direct cellular partners in the regulation of MAP kinase signaling. Journal of Cellular Biochemistry, 2008, 105, 1172-1182.	2.6	19
67	Promoting synergistic research and education in genomics and bioinformatics. BMC Genomics, 2008, 9, 11.	2.8	19
68	Upregulated ethanolamine phospholipid synthesis via selenoprotein I is required for effective metabolic reprogramming during T cell activation. Molecular Metabolism, 2021, 47, 101170.	6.5	19
69	Ratio-Based Method To Identify True Biomarkers by Normalizing Circulating ncRNA Sequencing and Quantitative PCR Data. Analytical Chemistry, 2019, 91, 6746-6753.	6.5	18
70	Essential role of PSM/SH2 $\beta$ variants in insulin receptor catalytic activation and the resulting cellular responses. Journal of Cellular Biochemistry, 2008, 103, 162-181.	2.6	14
71	Global lipidomics reveals two plasma lipids as novel biomarkers for the detection of squamous cell lung cancer: A pilot study. Oncology Letters, 2018, 16, 761-768.	1.8	14
72	Identification of plasma lipid species as promising diagnostic markers for prostate cancer. BMC Medical Informatics and Decision Making, 2020, 20, 223.	3.0	14

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73	Dysregulated KRAS gene-signaling axis and abnormal chromatin remodeling drive therapeutic resistance in heterogeneous-sized circulating tumor cells in gastric cancer patients. <i>Cancer Letters</i> , 2021, 517, 78-87.	7.2	14
74	Disabled Homolog 2 (DAB2) Protein in Tumor Microenvironment Correlates with Aggressive Phenotype in Human Urothelial Carcinoma of the Bladder. <i>Diagnostics</i> , 2020, 10, 54.	2.6	13
75	Development of a tRNA-derived small RNA diagnostic and prognostic signature in liver cancer. <i>Genes and Diseases</i> , 2022, 9, 393-400.	3.4	12
76	Identification of lncRNA biomarkers for lung cancer through integrative cross-platform data analyses. <i>Aging</i> , 2020, 12, 14506-14527.	3.1	12
77	PSM/SH2B1 splice variants: Critical role in src catalytic activation and the resulting STAT3-mediated mitogenic response. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 105-118.	2.6	11
78	ILOOP – a web application for two-channel microarray interwoven loop design. <i>BMC Genomics</i> , 2008, 9, S11.	2.8	10
79	Lipoprotein(a) and Increased Cardiovascular Risk in Women. <i>Clinical Cardiology</i> , 2016, 39, 96-102.	1.8	10
80	Protective effect of DLX6-AS1 silencing against cerebral ischemia/reperfusion induced impairments. <i>Aging</i> , 2020, 12, 23096-23113.	3.1	10
81	Analysis and Performance Assessment of the Whole Genome Bisulfite Sequencing Data Workflow: Currently Available Tools and a Practical Guide to Advance DNA Methylation Studies. <i>Small Methods</i> , 2022, 6, e2101251.	8.6	10
82	MRTF-A-mediated protection against amyloid- $\beta$ -induced neuronal injury correlates with restoring autophagy via miR-1273g-3p/mTOR axis in Alzheimer models. <i>Aging</i> , 2022, 14, 4305-4325.	3.1	10
83	PSM/SH2-B distributes selected mitogenic receptor signals to distinct components in the PI3-kinase and MAP kinase signaling pathways. <i>Journal of Cellular Biochemistry</i> , 2007, 100, 557-573.	2.6	9
84	Genomics, molecular imaging, bioinformatics, and bio-nano-info integration are synergistic components of translational medicine and personalized healthcare research. <i>BMC Genomics</i> , 2008, 9, 11.	2.8	9
85	Multiple Biomarker Panels for Early Detection of Breast Cancer in Peripheral Blood. <i>BioMed Research International</i> , 2013, 2013, 1-7.	1.9	9
86	Network and Pathway Analysis of Cancer Susceptibility (A). <i>Cancer Informatics</i> , 2014, 13s5, CIN.S24095.	1.9	9
87	Development of somatic mutation signatures for risk stratification and prognosis in lung and colorectal adenocarcinomas. <i>BMC Medical Genomics</i> , 2019, 12, 24.	1.5	9
88	RNA sequencing-based analysis of the magnum tissues revealed the novel genes and biological pathways involved in the egg-white formation in the laying hen. <i>BMC Genomics</i> , 2021, 22, 318.	2.8	9
89	Comprehensive Analysis of a tRNA-Derived Small RNA in Colorectal Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 701440.	2.8	9
90	Association of Septic Shock with Mortality in Hospitalized COVID-19 Patients in Wuhan, China. <i>Advances in Virology</i> , 2022, 2022, 1-9.	1.1	9

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91	Lack of Efficacy of Combined Carbohydrate Antigen Markers for Lung Cancer Diagnosis. <i>Disease Markers</i> , 2020, 2020, 1-10.	1.3	8
92	Maximizing biomarker discovery by minimizing gene signatures. <i>BMC Genomics</i> , 2011, 12, S6.	2.8	7
93	RNA-Seq and Network Analysis Revealed Interacting Pathways in TGF- $\beta$ 2-Treated Lung Cancer Cell Lines. <i>Cancer Informatics</i> , 2014, 13s5, CIN.S14073.	1.9	7
94	Multi-antigen Vaccination With Simultaneous Engagement of the OX40 Receptor Delays Malignant Mesothelioma Growth and Increases Survival in Animal Models. <i>Frontiers in Oncology</i> , 2019, 9, 720.	2.8	7
95	Tissue-associated microbial detection in cancer using human sequencing data. <i>BMC Bioinformatics</i> , 2020, 21, 523.	2.6	7
96	Bacterial Diversity Correlates with Overall Survival in Cancers of the Head and Neck, Liver, and Stomach. <i>Molecules</i> , 2021, 26, 5659.	3.8	7
97	RNA-Sequencing based analysis of bovine endometrium during the maternal recognition of pregnancy. <i>BMC Genomics</i> , 2022, 23, .	2.8	7
98	Maximum predictive power of the microarray-based models for clinical outcomes is limited by correlation between endpoint and gene expression profile. <i>BMC Genomics</i> , 2011, 12, S3.	2.8	6
99	Combined Omics Reveals That Disruption of the Selenocysteine Lyase Gene Affects Amino Acid Pathways in Mice. <i>Nutrients</i> , 2019, 11, 2584.	4.1	6
100	Focal Point of Fanconi Anemia Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12976.	4.1	6
101	A new approach to construct pathway connected networks and its application in dose responsive gene expression profiles of rat liver regulated by 2,4DNT. <i>BMC Genomics</i> , 2010, 11, S4.	2.8	5
102	A lack of association between the IKZF2 rs12619285 polymorphism and coronary heart disease. <i>Experimental and Therapeutic Medicine</i> , 2015, 9, 1309-1313.	1.8	5
103	Prognostic Factors for COVID-19 Hospitalized Patients with Preexisting Type 2 Diabetes. <i>International Journal of Endocrinology</i> , 2022, 2022, 1-13.	1.5	5
104	Sulfite preservatives effects on the mouth microbiome: Changes in viability, diversity and composition of microbiota. <i>PLoS ONE</i> , 2022, 17, e0265249.	2.5	5
105	Regulation of endoplasmic reticulum stress and trophectoderm lineage specification by the mevalonate pathway in the mouse preimplantation embryo. <i>Molecular Human Reproduction</i> , 2021, 27, .	2.8	4
106	HDAM: a resource of human disease associated mutations from next generation sequencing studies. <i>BMC Medical Genomics</i> , 2013, 6, S16.	1.5	3
107	The values of AHCY and CBS promoter methylation on the diagnosis of cerebral infarction in Chinese Han population. <i>BMC Medical Genomics</i> , 2020, 13, 163.	1.5	3
108	The miRNA Profile of Inflammatory Colorectal Tumors Identify TGF- $\beta$ 2 as a Companion Target for Checkpoint Blockade Immunotherapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 754507.	3.7	3

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109	T-cell activation decreases miRNA-15a/16 levels to promote MEK1/ERK1/2/Elk1 signaling and proliferative capacity. <i>Journal of Biological Chemistry</i> , 2022, 298, 101634.	3.4	3
110	Development of predictive models to distinguish metals from non-metal toxicants, and individual metal from one another. <i>BMC Bioinformatics</i> , 2020, 21, 239.	2.6	2
111	Circulating microRNA profiling for early detection of non-small cell lung cancer.. <i>Journal of Clinical Oncology</i> , 2014, 32, e22051-e22051.	1.6	2
112	Pathway-based Biomarkers for Breast Cancer in Proteomics. <i>Cancer Informatics</i> , 2014, 13s5, CIN.S14069.	1.9	1
113	Functional Genomics, Genetics, and Bioinformatics. <i>BioMed Research International</i> , 2015, 2015, 1-3.	1.9	1
114	Functional Genomics, Genetics, and Bioinformatics 2016. <i>BioMed Research International</i> , 2016, 2016, 1-3.	1.9	1
115	miR-125 family regulates XIRP1 and FIH in response to myocardial infarction. <i>Physiological Genomics</i> , 2020, 52, 358-368.	2.3	1
116	An Effective Interwoven Loop Design Application for Two-Channel Microarray Experiments. , 2007, , .		0
117	Editorial: Cancer Informatics Toward Precision Medicine. <i>Frontiers in Medicine</i> , 2020, 7, 576611.	2.6	0
118	Machine Learning and Metabolomics: Diagnosis of Malignant Breast Cancer. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
119	Primary Central Nervous System Lymphoma (PCNSL) in Immunocompetent Patients: An Analysis of Prognostic Factors and Treatment Strategies. <i>Blood</i> , 2011, 118, 4955-4955.	1.4	0
120	Chronic Lymphocytic Leukemia (CLL)/Small Lymphocytic Leukemia (SLL) Exhibit Altered Cytokine Protein Levels in Peripheral Blood Serum. <i>Blood</i> , 2011, 118, 2646-2646.	1.4	0
121	Two lipids based on lipidomics as novel biomarkers for early detection of squamous cell lung cancer.. <i>Journal of Clinical Oncology</i> , 2013, 31, 11114-11114.	1.6	0
122	Abstract 2828: Bacterial diversity correlates with tumor stage and survival in stomach and lung TCGA cancer cohorts. , 2019, , .		0
123	Editorial: Early Detection and Diagnosis of Cancer. <i>Frontiers in Genetics</i> , 2022, 13, 875421.	2.3	0
124	Corrigendum to "Prognostic Factors for COVID-19 Hospitalized Patients with Preexisting Type 2 Diabetes". <i>International Journal of Endocrinology</i> , 2022, 2022, 1-1.	1.5	0